## MAX-POWER PRO SERIES 10kVA Online Transformerless Rack Mount UPS

Norden's Maxpower Pro Series 10 kVA UPS is an online double conversion UPS that features 3/3, 3/1 operation and a unity output power factor. This model features a convertible rack-tower design and parallel redundancy capabilities, making it ideal for data center applications.



#### **General Features**

- LCD support Rack/Tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control

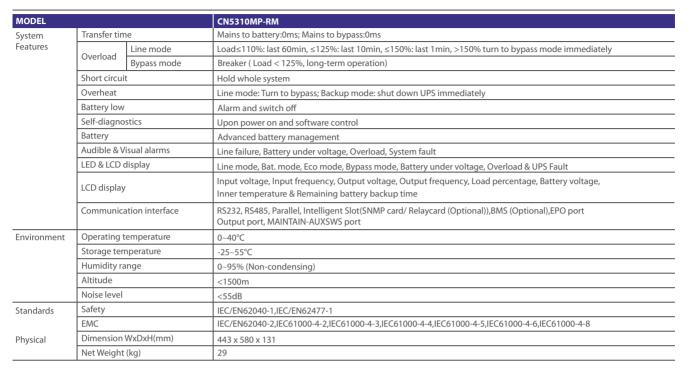
**NORDEN<sup>®</sup>** 

- Wide input frequency range 40~70Hz
- Wide input voltage range:208~478Vac
- Input current harmonic:<3%
- Maximum Charging current up to 20A(Settable)
- Dual Input Sources
- ECO mode operation for energy saving
- Support 3/3 , 3/1 and 1/1 operation
- Generator compatible
- Cold Start
- Self-testing when UPS start-up
- 50/60Hz Frequency converter mode
- Intelligent fan speed regulation
- The quantity of battery:30-50pcs is settable

| MODEL    |                            |           | CN5310MP-RM  |
|----------|----------------------------|-----------|--|
| Capacity | kVA                        |           | 10   |
| F        | kW                         |           | 10   |
| Input    | Normal Voltage             |           | 380/400/415Vac (3Ph+N+PE) 220/230/240Vac (L+N+PE)  |
|          | Operating voltage range    |           | 208~478Vac   |
| Γ        | Operating frequency range  |           | 40~70Hz (50/60Hz Auto-Sensing)   |
| Γ        | Power factor               |           | ≥0.99  |
| Γ        | Bypass voltage range       |           | Max.voltage:220V:+25% (Optional+10%,+15%,+20%)   |
|          |                            |           | 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%), 230V:+20% (Optional+10%,+15%) |
| -        | ECO range                  |           | Same as the bypass   |
| -        | Generator input            |           | Yes  |
| Output   | Rated voltage              |           | 380/400/415Vac (3Ph+N+PE) 220/230/240Vac (L+N+PE)  |
|          | Power factor               |           | 1.0  |
|          | Voltage regulation         |           | ±1%  |
|          | Frequency                  | Line mode | ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)                                       |
|          |                            | Bat. mode | 50/60(±0.1)Hz  |
| F        | Crest factor               |           | 3:1  |
|          | Harmonic distortion (THDv) |           | $\leq$ 2% with linear load, $\leq$ 5% with non-linear load                                   |
| l l      | Efficiency                 |           | 94.5%  |
| F        | Output Waveform            |           | Pure Sine Wave   |
| Battery  | Battery Numbers            |           | 30/32/34/36/38/40/42/44/46/48/50pcs with Neutral   |
| · · ·    | Charging current           |           | 18A Max.(charge current can be set according to battery capacity installed)                  |

### **SPECIFICATIONS**

# **MAX-POWER PRO SERIES** 10kVA Online Transformerless Rack Mount UPS



\*Product specifications are subject to change without further notice.

## **EXTERNAL BATTERY PACK**

| MODEL                           | CNBN10240CR  |
|---------------------------------|--|
| BATTERY SYSTEM                  |  |
| Battery type                    | VRLA (Lead acid maintenance free battery)                      |
| Typical battery recharging time | 6~8 hours (to 90% of full capacity)                            |
| Typical battery life            | 3~5 years, depend on discharging cycle and ambient temperature |
| System voltage                  | ±240Vdc  |
| Battery quantity                | 1*±20 PCS  |
| Capacity                        | 7Ah/9Ah (12V)  |
| PHYSICAL                        |  |
| Dimension W x D x H (mm)        | 443 x 861.5 x 175  |
| Net weight (kg)                 | 114/123  |
| ENVIRONMENT                     |  |
| Safety                          | CE   |
| Operating environment           | 0°C~40°C   |
| Relative humidity               | 0~95% (Non condensing)   |
| Noise level                     | <40dB at 1 Meter   |

### **ORDERING INFORMATION**

| Part Number | Description  |
|-------------|--|
| CN5310MP-RM | 10kVA Double Conversion Transformer-less Rack Mount UPS (External Battery) |
| CNBN10240CR | 240VDC Rack Mount Battery Pack   |

### **COMPATIBLE ACCESSORIES**

| Part Number | Description                        |
|-------------|------------------------------------|
| CNS01       | SNMP Card for 10-80kVA 3/1 and 3/3 |

**NORDEN<sup>®</sup>**